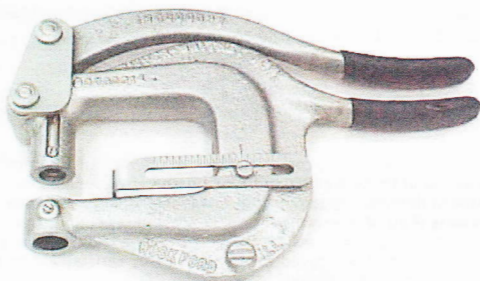


ROPER WHITNEY.



MODEL NO. XX HAND PUNCH OPERATION, PARTS & MAINTENANCE MANUAL

Model:	Purchased From:
Serial #:	Date Received:

USA  MADE

An American Tradition Since 1910

Roper Whitney / 2833 Huffman Blvd. / Rockford, IL 61103 / 815-962-3011 / Fax 815-962-2227
www.roperwhitney.com

FOREWORD

This manual has been prepared for the owner and operators of Roper Whitney No. XX Hand Punch. Its purpose, aside from operations instructions, is to promote safety through the use of accepted operating procedures. Read all instructions thoroughly before operating the punch.

Also contained in this manual is the parts list for your punch. It is recommended that only Roper Whitney or factory authorized parts be used as replacements.



Warranty Statement:

3 YEAR LIMITED WARRANTY

Roper Whitney ("Manufacturer") warrants, commencing with the date of shipment to first end-user ("Customer") and for a period of thirty-six (36) months thereafter, all machinery and parts manufactured by Manufacturer to be free of defects in workmanship and material. **This warranty remains in force for the above time period only if all of Manufacturer's operational procedures are followed and recommended maintenance is performed.** If, within such warranty period, any machinery or parts manufactured by Manufacturer shall be proved to Manufacturer's satisfaction to be defective, such machinery or parts shall be repaired or replaced, at Manufacturer's option. All warranty claims are made F.O.B Manufacturer's plant, providing such machinery or parts are returned freight prepaid to Manufacturer's plant or designated service center for Manufacturer's inspection. All failed parts or components must be returned to Manufacturer prepaid for inspection before credit will be issued for new parts or components. Manufacturer's obligation hereunder shall be confined to such repair or replacement and does not include any charges, direct or indirect, for removing or replacing defective machinery or parts. No warranty shall apply to machinery, or parts or accessories, which have been furnished, repaired, or altered by others so as, in Manufacturer's judgment, to affect the same adversely or which shall have been subject to negligence, accident or improper care, installation, maintenance, storage, or other than normal use or service, during or after shipment. No warranty shall apply to the cost of repairs made or attempted outside of Manufacturer's plant or designated service center without Manufacturer's authorization. No warranty shall apply with respect to machinery or part not manufactured by Manufacturer, including but not limited to motors, accessories, electrical and hydraulic components, if such machinery or part is subject to warranty by the manufacturer of such machinery or part. No warranty claims by Customer will be honored with respect to any machinery or part from which the name and date plate has been removed or is otherwise no longer located or exhibited on such machinery or part. **THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY AND IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. MANUFACTURER SHALL NOT BE SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES WHATSOEVER WITH RESPECT TO MACHINERY, PARTS, ACCESSORIES, OR SERVICES MANUFACTURED OR FURNISHED BY IT OR ANY UNDERTAKINGS, ACTS, OR OMISSIONS RELATING THERETO. UNDER NO CIRCUMSTANCES SHALL MANUFACTURER BE LIABLE FOR ANY CONSEQUENTIAL OR OTHER DAMAGES, EXPENSES, LOSSES, OR DELAYS HOW SO EVER CAUSED.**

THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

Note: Consumable tooling is not covered under the 3 year manufacturer's warranty.

RETURN OF THE PRODUCT REGISTRATION CARD FURNISHED WITH THE PRODUCT IS NECESSARY TO OBTAIN WARRANTY COVERAGE THEREON. CARD MUST BE FULLY COMPLETED, SIGNED BY THE PURCHASER, AND IF APPLICABLE, SIGNED BY THE DISTRIBUTOR. RETURN REGISTRATION CARD TO:

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SAFETY INSTRUCTIONS

FOR MAXIMUM OPERATOR SAFETY DO:

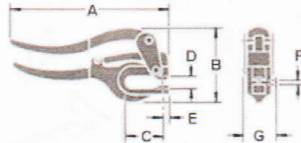
1. Read and understand this manual.
2. Use only XX punches and dies marked with a **W** or **R-W** designed for this tool.
3. Be sure you punch within the one ton capacity of this tool. Type and thickness of material versus final hole size will give you this tonnage.
4. Wear safety glasses.

FOR MAXIMUM OPERATOR SAFETY DO NOT:

1. Use punches and dies that are chipped or dulled.
2. Punch over capacity of the tool.
3. Nibble. Punch a full hole not a half hole as punch may contact die.

SPECIFICATIONS

DIMENSIONS: NO. XX		
Reference	IN.	MM
A	10 1/4	260.35
B	6 3/8	161.93
C	3 1/4	82.55
D	2 1/8	53.98
E	9/16	14.29
F	9/16	14.29
G	1 5/8	41.28



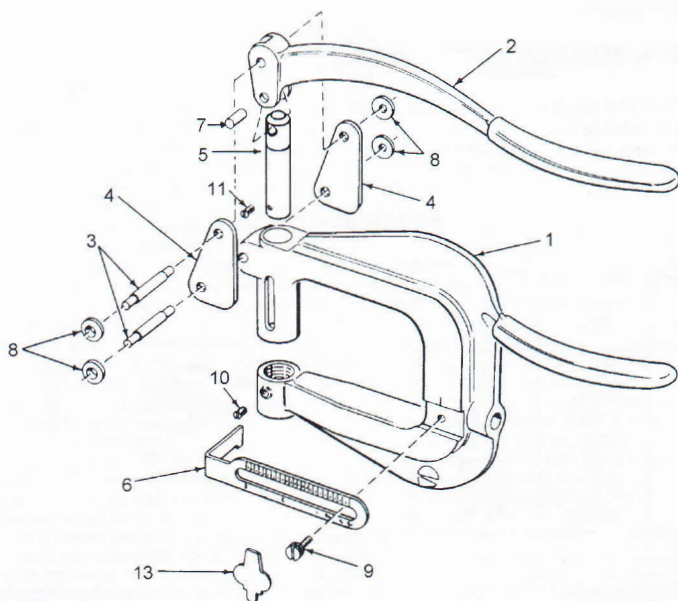
CARE: Oil at hinge points, the punch guide hole in the lower handle, and the punch point is all the care necessary.

OPERATION: To change punch and die, first loosen die set screw (10) and unscrew die from lower handle using key (13). Loosen punch set screw (11) and slide punch down through die hole of frame. Reverse the above procedure to install the desired size of punch and die. Dies are threaded into lower handle. To avoid breakage; use die key to remove die or screwdriver wide enough to engage both slots. Die should be set high enough so punch can remove slug. Bench mounting base use requires three 5/16" holes drilled in bench. **OUR DIES WILL NOT FIT Duro Dyne or Parker Kalon No. XX Deep Throat Hand Punches until a 3/4-16 thread tap is run through the lower handle.**

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NO. XX HAND PUNCH

PARTS LIST



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NO. XX HAND PUNCH

PARTS LIST

ITEM NO.	PART NO.	PART NAME	QTY.
1	730460019	Lower Handle	1
2	730460020	Upper Handle	1
3	730160021	Pin	2
4	730240022	Side Link	2
5	730010023	Punch Holder	1
6	730420024	Gauge	1
7	730160025	Pin	1
8	730830008	Washer	4
9	730650011	Screw	1
10	600325900	Headless Set Screw, 12-32 x 1/4	1
11	600325900	Headless Set Screw, 12-32 x 1/4	1
12	630000107	Plastic Box (not shown)	1
13	730480009	Key	1
14	235800012	12 Pack Set Screws (not shown)	1

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AVAILABLE TOOLING

NO. XX

HAND PUNCH



TYPE O ROUND PUNCHES AND DIES Standard Sizes

XX Punch & # 7 Die

Fractional Drill or Millimeter	Decimal Equiv.	Punch Part Number	Die Part Number	Set Part Number	Dealer Code
1/16	.063	300000063	310070063	200000063	T-7
5/64	.078	300000078	310070078	200000078	T-7
3/32-42 DS	.094	300000094	310070094	200000094	T-7
7/64	.109	300000109	310070109	200000109	T-7
1/8	.125	300000125	310070125	200000125	T-7
9/64-28 DS	.141	300000141	310070141	200000141	T-7
5/32	.156	300000156	310070156	200000156	T-7
11/64	.172	300000172	310070172	200000172	T-7
3/16	.188	300000188	310070188	200000188	T-7
13/64	.203	300000203	310070203	200000203	T-7
7/32	.219	300000219	310070219	200000219	T-7
15/64-A DS	.234	300000234	310070234	200000234	T-7
1/4-E DS	.250	300000250	310070250	200000250	T-7
17/64-H DS	.266	300000266	310070266	200000266	T-7
9/32-K DS	.281	300000281	310070281	200000281	T-7
19/64	.297	300000297	310070297	200000297	T-7
5/16	.313	300000313	310070313	200000313	T-7
21/64	.328	300000328	310070328	200000328	T-7
11/32	.344	300000344	310070344	200000344	T-7
23/64	.359	300000359	310070359	200000359	T-7
3/8	.375	300000375	310070375	200000375	T-7
25/64	.391	300000391	310070391	200000391	T-7
13/32	.406	300000406	310070406	200000406	T-7
27/64	.422	300000422	310070422	200000422	T-7
7/16	.438	300000438	310070438	200000438	T-7
29/64-11.5MM	.453	300000453	310070453	200000453	T-7
15/32	.469	300000469	310070469	200000469	T-7
31/64	.484	300000484	310070484	200000484	T-7
1/2	.500	300000500	310070500	200000500	T-7
33/64	.516	300000516	310070516	200000516	T-7
17/32	.531	300000531	310070531	200000531	T-7

Part Number 235800008

Replacement Package Consists of 1 each:

5/32, 7/32, 9/32, 11/32, 13/32, 15/32 & 17/32 punch and die
Dealer Code T-6

For other shapes and sizes, consult factory.

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